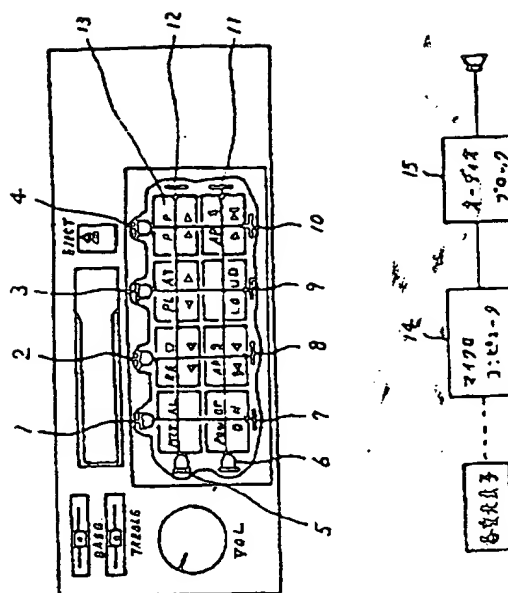


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 INVENTOR : MIYAZAKI TADASHI
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 TITLE : CAR STEREO



ABSTRACT : PURPOSE:To obtain the car stereo capable of informing a function of a switch in voice only by putting a finger on it by providing a complex type switch having a sensor system for its upper layer and a push-button system for its lower layer and providing a function of informing the function of the push-button switch of the lower layer in voice upon placing of a finger on the sensor switch of the upper layer.

CONSTITUTION:The complex type switch 13 of the two-layer system consisting of the upper layer sensor and lower layer push-button systems is set up, and when a finger is put on one switch 13 of the complex type switch, an infrared ray emitted from a light emitting element 4 is intercepted by the finger not to reach a light receiving element 10, and also an infrared ray of a light emitting element 5 does not reach a light receiving element 12 as well. Then, based on information obtained from each light receiving system, a switch is decided by a microcomputer 14, and a function of this switch is sent by an audio signal to a main audio block 15 to inform the operator in voice. By this method, the car stereo whose switch function can be recognized without looking at an operating panel can be obtained.

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